

**IN THE CLAIMS**

Please amend the claims as follows:

- 1     1. (Currently Amended) An apparatus for improving the  
2     efficiency of service request/response activity between multiple  
3     clients and multiple service applications with a complex  
4     computerized environment comprising:
- 5         a. a client computer having at least one of a plurality of  
6         client applications which generate service requests;
- 7         b. a hardware server having a service application  
8         responsively coupled to said plurality of client  
9         applications;
- 10        c. a first service request requiring Input/Output activity  
11        and computational activity generated by a first one of said  
12        plurality of client applications transferred to said service  
13        application;
- 14        d. a first thread pool responsively coupled to said service  
15        application which handles said Input/Output activity of said  
16        first service request; and
- 17        e. a second thread pool responsively coupled to said  
18        service application which handles said computational  
19        activity of said first service request.

1        2. (Original) The apparatus of claim 1 further comprising a  
2        first client key which uniquely identifies said first one of said  
3        plurality of client applications to said first thread pool and  
4        said second thread pool.

1        3. (Previously Presented) The apparatus of claim 2 wherein a  
2        second one of said plurality of client applications generates a  
3        second service request transferred to said service application  
4        requiring Input/Output activity and computational activity.

1        4. (Original) The apparatus of claim 3 further comprising a  
2        second client key which uniquely identifies said second one of  
3        said plurality of client applications to said first thread pool  
4        and said second thread pool.

1        5. (Previously Presented) The apparatus of claim 4 wherein said  
2        client computer further comprises a user terminal responsively  
3        coupled to a data base management system via a publically  
4        accessible digital data communication network and wherein said  
5        first client application is located within said user terminal and  
6        said service application is located within said data base  
7        management system.

1       6. (Currently Amended) A method of utilizing a computer to  
2       improve the efficiency of managing a service request requiring  
3       Input/Output activity and computational activity of a client  
4       application by a service application comprising:

- 5       a. transferring said service request from said client  
6       application to said service application;  
7       b. handling said Input/Output activity using a first thread  
8       pool; and  
9       c. handling said computational activity using a second  
10      thread pool.

1       7. (Original) A method according to claim 6 further comprising  
2       a client identifier which identifies said client application to  
3       said first thread pool and said second thread pool.

1       8. (Original) A method according to claim 7 wherein said  
2       transferring step further comprises transferring said service  
3       request to said service application via a publically accessible  
4       digital data communication network.

1       9. (Original) A method according to claim 8 further comprising  
2       a user terminal wherein said client application is located within  
3       said user terminal.

1 10. (Original) A method according to claim 9 further comprising  
2 a data base management system wherein said service application is  
3 located within said data base management system.

1 11. (Currently Amended) An apparatus for improving the  
2 efficiency of service request/response activity between multiple  
3 clients and multiple service applications with a complex  
4 computerized environment comprising:

5 a. means for generating a service request within a client  
6 computer requiring Input/Output activity and computational  
7 activity;

8 b. means responsively coupled to said generating means for  
9 honoring said service request within a data base management  
10 system [[via]] by performing said Input/Output activity and  
11 said computational activity;

12 c. first thread pool means responsively coupled to said  
13 honoring means for handling said Input/Output activity; and

14 d. second thread pool means responsively coupled to said  
15 honoring means for handling said computational activity.

1 12. (Original) An apparatus according to claim 11 further  
2 comprising means for uniquely identifying said generating means  
3 to said first thread pool means and said second thread pool  
4 means.

1 13. (Original) An apparatus according to claim 12 wherein said  
2 identifying means further comprises a client key.

1 14. (Original) An apparatus according to claim 13 wherein said  
2 honoring means further comprises a data base management system.

1 15. (Original) An apparatus according to claim 14 wherein said  
2 generating means further comprises a user terminal.

1 16. (Currently Amended) In a data processing system having a  
2 client computer containing a client application which generates a  
3 service request requiring Input/Output activity and computational  
4 activity responsively coupled to a service application located  
5 within a hardware server, the improvement comprising:

6 a. a first thread pool ~~responsively~~ interactively coupled to  
7 said service application for handling said Input/Output  
8 activity; and

9 b. a second thread pool ~~responsively~~ interactively coupled  
10 to said service application for handling said computational  
11 activity.

1 17. (Original) The improvement according to claim 16 further  
2 comprising a client key which identifies said client application  
3 to said first thread pool and said second thread pool.

1 18. (Previously Presented) The improvement according to claim  
2 17 wherein said client computer further comprises a user terminal  
3 containing said client application.

1 19. (Previously Presented) The improvement according to claim  
2 18 further comprising a publically accessible digital data  
3 communication network responsively coupled between said user  
4 terminal and said hardware server containing said service  
5 application.

1 20. (Previously Presented) The improvement according to claim  
2 19 further comprising a data base management system containing  
3 said service application located within said hardware server.

1 21. (Currently Amended) An apparatus for improving the  
2 efficiency of service request/response activity between multiple  
3 clients and multiple service applications with a complex  
4 computerized environment comprising:

- 5 a. a plurality of client applications which generate a  
6 plurality of service requests;

7           b. a service application responsively coupled to said  
8           plurality of client applications;  
9           c. a first of said plurality of service requests requiring  
10          Input/Output activity and computational activity generated  
11          by a first one of said plurality of client applications  
12          transferred to said service application;  
13          d. a first thread pool responsively coupled to said service  
14          application which handles said Input/Output activity of said  
15          first service request;  
16          e. a second thread pool responsively coupled to said  
17          service application which handles said computational  
18          activity of said first service request[[.]] ;  
19          f. a first client key which uniquely identifies said first  
20          one of said plurality of client applications to said first  
21          thread pool and said second thread pool;  
22          ~~g. wherein a second one of said plurality of client~~  
23          ~~applications generates a second service request transferred~~  
24          ~~to said service application requiring Input/Output activity~~  
25          ~~and computational activity;~~  
26          [[h]]g. wherein a second one of said plurality of client  
27          applications generates a second service request transferred  
28          to said service application requiring Input/Output activity  
29          and computational activity; and

30           [[i]]h. a user terminal responsively coupled to a data base  
31           management system via a publically accessible digital data  
32           communication network and wherein said first client  
33           application is located within said user terminal and said  
34           service application is located within said data base  
35           management system.